

USING UV AND OZONE TOGETHER IN SPA APPLICATIONS

UV and ozone work wonderfully together. Ozone does everything that UV does, but UV does not do everything that ozone does.

After doing the majority of its oxidizing in the plumbing, there is residual **ozone** in the body of the spa, decontaminating the main body of the spa where new contaminants are introduced. Ozone also disinfects the headrests and covers, preventing mold and mildew. UV basically does its work, only, directly at the unit. Ozone oxidizes and combines the contaminants so they are easily filtered out. That is why water is so crystal clear when using ozone. UV is not an oxidizer (except in very small amounts right at the unit).

The clearer your water is, the more effective your UV unit will be. If the spa water is cloudy, UV rays will not reach impurities as effectively. That is another reason that these two systems are so perfect to use together. UV will actually work much more effectively when used with an ozonator.

- Ozone kills microorganisms. UV inactivates them, sometimes only temporarily.
- Ozone destroys biofilm. UV does not affect biofilm.
- Ozone destroys Humic and Fulvic Acid. UV doesn't affect Humic and Fulvic acid.
- Ozone destroys sulfur odors, chlorine odors and other foul odors. UV does not eliminate odors.

The following are ways that we can equip JED ozonators to operate with a UV unit.

1. "Y" connector that will allow you to power up both the ozonator and the UV unit. The cost for this Y connector/splitter is \$12.50. OR...
2. Another option is that we equip JED ozonators with a receptacle coming off of the ozonator. You will be able to plug the UV unit into this receptacle and plug the ozonator into the spa pack. The cost for this feature is \$7.50.
3. We can provide you with a venturi injector to establish suction for the ozonator.
4. You might also want to consider our JED 203 with air pump that can pump in ozone independently of water circulation.

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